

THE INVENTION CLAIMED IS:

56. A method for producing biologically active Fv antibody fragments having a neutralizing effect on the anti-viral activity of human interferon-gamma (IFN- $\Gamma$ ) comprising:

- a. inserting an isolated nucleic acid into a suitable expression vector, wherein the nucleic acid encodes an Fv antibody fragment which binds human IFN- $\Gamma$ , said nucleic acid including nucleotide sequences encoding the V<sub>H</sub> and V<sub>L</sub> domains of the D9D10 monoclonal antibody and a nucleotide sequence encoding a linker peptide which links the V<sub>H</sub> and V<sub>L</sub> domains;
- b. introducing the expression vector into a suitable host cell;
- c. incubating the host cell to produce the Fv antibody fragment; and
- d. isolating the Fv antibody fragment.

57. The method of claim 1, further comprising treating humans having a disease associated with IFN- $\Gamma$  with the biologically active Fv antibody fragments, wherein the human disease is selected from the group consisting of endotoxic shock, local inflammation, cerebral malaria, and autoimmune arthritis.